

SHORT-TERM INDIANA OCCUPATIONAL PROJECTIONS
BASE PERIOD: 2005 First Quarter
PROJECTED PERIOD: 2007 First Quarter
AREA: Economic Growth Region 01

All data rounded to nearest 10, Occupations with less than 20 excluded

Code	Occupational Title	1st Quarter 2005 Employment	1st Quarter 2007 Projection	Two Year Change	Percent Change	Replacements ¹	Total Openings	2004 Annual Wage ²	Education Requirement ³
00-0000	Total, All Occupations	328,960	333,950	4,990	2%	16,860	23,100	\$33,031	NA
11-0000	Management Occupations	13,670	13,930	260	2%	460	740	\$70,777	NA
11-1000	Top Executives	5,060	5,160	100	2%	170	270	NA	NA
11-1011	Chief Executives	730	740	10	2%	20	40	\$126,368	Work experience plus bachelor's or higher degree
11-1021	General and Operations Managers	4,150	4,250	100	2%	140	230	\$79,517	Work experience plus bachelor's or higher degree
11-1031	Legislators	180	170	0	-1%	0	0	\$25,080	NA
11-2000	Advertising, Marketing, Promotions, Public Relations, and Sales Managers	740	750	10	1%	20	40	NA	NA
11-2011	Advertising and Promotions Managers	100	110	0	3%	0	10	\$52,529	Work experience plus bachelor's or higher degree
11-2021	Marketing Managers	230	230	0	0%	10	10	\$73,552	Work experience plus bachelor's or higher degree
11-2022	Sales Managers	330	340	10	2%	10	20	\$84,062	Work experience plus bachelor's or higher degree
11-2031	Public Relations Managers	80	80	0	-1%	0	0	\$62,996	Work experience plus bachelor's or higher degree
11-3000	Operations Specialties Managers	2,280	2,310	30	1%	70	100	NA	NA
11-3011	Administrative Services Managers	420	430	10	2%	10	20	\$55,124	Work experience plus bachelor's or higher degree
11-3021	Computer and Information Systems Managers	330	340	10	3%	10	20	\$78,388	Work experience plus bachelor's or higher degree
11-3031	Financial Managers	620	630	0	1%	20	20	\$79,453	Work experience plus bachelor's or higher degree
11-3040	Human Resources Managers	270	280	10	3%	10	10	NA	NA
11-3051	Industrial Production Managers	360	350	0	-1%	10	10	\$68,560	Bachelor's degree
11-3061	Purchasing Managers	140	140	0	0%	10	10	\$64,887	Work experience plus bachelor's or higher degree
11-3071	Transportation, Storage, and Distribution Managers	150	150	0	1%	10	10	\$63,346	Work experience in a related occupation
11-9000	Other Management Occupations	5,590	5,710	120	2%	200	330	NA	NA
11-9011	Farm, Ranch, and Other Agricultural Managers	300	310	10	3%	10	20	NA	Work experience plus bachelor's or higher degree
11-9021	Construction Managers	730	740	10	2%	20	30	\$74,274	Bachelor's degree
11-9031	Education Administrators, Preschool and Child Care Center/Program	140	140	0	1%	10	10	NA	Work experience plus bachelor's or higher degree
11-9032	Education Administrators, Elementary and Secondary School	650	670	30	4%	30	60	\$71,945	Work experience plus bachelor's or higher degree
11-9033	Education Administrators, Postsecondary	160	170	10	6%	10	20	\$62,573	Work experience plus bachelor's or higher degree
11-9039	Education Administrators, All Other	30	30	0	3%	0	0	\$92,897	NA
11-9041	Engineering Managers	240	240	0	0%	10	10	\$84,201	Work experience plus bachelor's or higher degree
11-9051	Food Service Managers	890	900	20	2%	30	50	\$33,228	Work experience in a related occupation
11-9061	Funeral Directors	110	110	0	3%	10	10	\$52,204	Associate degree
11-9071	Gaming Managers	130	140	10	8%	0	10	\$59,482	Work experience plus bachelor's or higher degree
11-9081	Lodging Managers	50	50	0	0%	0	0	\$42,432	Work experience in a related occupation
11-9111	Medical and Health Services Managers	490	520	20	5%	20	40	\$58,729	Work experience plus bachelor's or higher degree
11-9121	Natural Sciences Managers	20	20	0	0%	0	0	\$51,970	Work experience plus bachelor's or higher degree
11-9131	Postmasters and Mail Superintendents	60	60	0	0%	0	0	\$52,424	Work experience in a related occupation
11-9141	Property, Real Estate, and Community Association Managers	290	300	10	2%	10	20	\$52,146	Bachelor's degree
11-9151	Social and Community Service Managers	340	350	20	5%	10	30	\$41,657	Bachelor's degree
11-9199	Managers, All Other	970	960	-10	-1%	30	30	\$74,425	Work experience in a related occupation
13-0000	Business and Financial Operations Occupations	8,220	8,380	150	2%	270	430	\$46,861	NA
13-1000	Business Operations Specialists	4,730	4,840	110	2%	150	270	NA	NA
13-1021	Purchasing Agents and Buyers, Farm Products	30	30	0	0%	0	0	\$45,670	Work experience in a related occupation
13-1022	Wholesale and Retail Buyers, Except Farm Products	200	200	0	0%	10	10	\$37,167	Bachelor's degree
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	450	450	0	0%	20	20	\$47,053	Bachelor's degree
13-1031	Claims Adjusters, Examiners, and Investigators	390	380	-10	-1%	10	10	\$48,763	Long-term on-the-job training

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13-1032	Insurance Appraisers, Auto Damage	20	20	0	5%	0	0	NA	Long-term on-the-job training
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety,	170	170	0	-1%	10	10	\$40,716	Long-term on-the-job training
13-1051	Cost Estimators	490	500	10	2%	20	30	\$53,151	Bachelor's degree
13-1061	Emergency Management Specialists	20	20	0	5%	0	0	\$46,575	Work experience in a related occupation
13-1071	Employment, Recruitment, and Placement Specialists	290	300	10	4%	10	20	\$35,266	Bachelor's degree
13-1072	Compensation, Benefits, and Job Analysis Specialists	230	230	10	2%	10	10	\$48,140	Bachelor's degree
13-1073	Training and Development Specialists	360	370	20	4%	10	20	\$40,703	Bachelor's degree
13-1111	Management Analysts	750	800	50	6%	20	70	\$67,200	Work experience plus bachelor's or higher degree
13-1121	Meeting and Convention Planners	40	40	0	0%	0	0	\$26,588	Bachelor's degree
13-1199	Business Operations Specialists, All Other	1,300	1,330	30	2%	40	70	\$49,275	Bachelor's degree
13-2000	Financial Specialists	3,490	3,540	40	1%	120	170	NA	NA
13-2011	Accountants and Auditors	1,850	1,880	30	2%	60	90	\$51,373	Bachelor's degree
13-2021	Appraisers and Assessors of Real Estate	270	280	10	3%	10	20	\$31,413	Postsecondary vocational training
13-2031	Budget Analysts	60	60	0	4%	0	0	\$48,339	Bachelor's degree
13-2041	Credit Analysts	120	120	0	0%	0	0	\$46,413	Bachelor's degree
13-2051	Financial Analysts	110	110	0	-2%	0	0	\$66,755	Bachelor's degree
13-2052	Personal Financial Advisors	100	100	0	1%	0	0	\$48,018	Bachelor's degree
13-2053	Insurance Underwriters	20	20	0	0%	0	0	#N/A	Bachelor's degree
13-2061	Financial Examiners	40	40	0	0%	0	0	\$42,609	Bachelor's degree
13-2071	Loan Counselors	20	20	0	0%	0	0	\$30,183	Bachelor's degree
13-2072	Loan Officers	360	360	0	1%	10	10	\$51,120	Bachelor's degree
13-2081	Tax Examiners, Collectors, and Revenue Agents	90	90	0	0%	0	0	\$39,084	Bachelor's degree
13-2082	Tax Preparers	180	190	10	3%	10	10	\$24,371	Moderate-term on-the-job training
13-2099	Financial Specialists, All Other	290	290	0	-1%	10	10	\$40,038	Bachelor's degree
15-0000	Computer and Mathematical Occupations	2,900	2,970	80	3%	70	150	\$51,071	NA
15-1000	Computer Specialists	2,860	2,940	80	3%	70	150	NA	NA
15-1021	Computer Programmers	460	460	0	0%	20	20	\$51,590	Bachelor's degree
15-1031	Computer Software Engineers, Applications	180	200	20	8%	0	20	\$77,346	Bachelor's degree
15-1032	Computer Software Engineers, Systems Software	220	220	0	2%	0	10	\$70,285	Bachelor's degree
15-1041	Computer Support Specialists	610	630	20	3%	10	30	\$27,904	Associate degree
15-1051	Computer Systems Analysts	610	620	10	2%	10	20	\$64,022	Bachelor's degree
15-1061	Database Administrators	140	150	10	4%	0	10	\$42,550	Bachelor's degree
15-1071	Network and Computer Systems Administrators	330	350	20	5%	10	20	\$50,943	Bachelor's degree
15-1081	Network Systems and Data Communications Analysts	140	140	10	4%	0	10	\$55,133	Bachelor's degree
15-1099	Computer Specialists, All Other	160	170	10	4%	0	10	\$52,288	Postsecondary vocational training
15-2000	Mathematical Scientists	40	40	0	-3%	0	0	NA	NA
15-2031	Operations Research Analysts	20	20	0	0%	0	0	#N/A	Master's degree
17-0000	Architecture and Engineering Occupations	4,620	4,670	50	1%	200	280	\$53,733	NA
17-1000	Architects, Surveyors, and Cartographers	200	210	10	4%	10	20	NA	NA
17-1011	Architects, Except Landscape and Naval	110	110	10	5%	0	10	\$61,010	Bachelor's degree
17-1022	Surveyors	70	80	0	3%	10	10	\$49,269	Bachelor's degree
17-2000	Engineers	2,440	2,450	20	1%	100	140	NA	NA
17-2031	Biomedical Engineers	70	70	10	7%	0	10	\$58,758	Bachelor's degree
17-2041	Chemical Engineers	90	90	0	-3%	10	10	NA	Bachelor's degree
17-2051	Civil Engineers	310	310	0	1%	10	10	\$61,291	Bachelor's degree
17-2061	Computer Hardware Engineers	30	30	0	0%	0	0	\$58,534	Bachelor's degree
17-2071	Electrical Engineers	260	250	-10	-4%	10	10	\$60,874	Bachelor's degree
17-2072	Electronics Engineers, Except Computer	70	70	0	-2%	0	0	\$64,537	Bachelor's degree
17-2081	Environmental Engineers	430	460	30	7%	10	40	NA	Bachelor's degree
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspec	70	70	0	3%	0	10	\$56,972	Bachelor's degree
17-2112	Industrial Engineers	240	240	0	0%	10	10	\$60,497	Bachelor's degree
17-2131	Materials Engineers	150	150	0	-1%	10	10	\$65,367	Bachelor's degree
17-2141	Mechanical Engineers	520	510	-10	-1%	30	30	\$67,129	Bachelor's degree
17-2199	Engineers, All Other	220	220	0	1%	10	10	\$76,690	Bachelor's degree

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17-3000	Drafters, Engineering, and Mapping Technicians	1,990	2,010	30	1%	90	120	NA NA	
17-3011	Architectural and Civil Drafters	230	230	0	2%	10	20	\$35,475	Postsecondary vocational training
17-3012	Electrical and Electronics Drafters	30	30	0	0%	0	0	\$61,122	Postsecondary vocational training
17-3013	Mechanical Drafters	280	290	0	1%	20	20	\$40,302	Postsecondary vocational training
17-3022	Civil Engineering Technicians	180	180	0	2%	10	10	\$31,153	Associate degree
17-3023	Electrical and Electronic Engineering Technicians	320	320	0	1%	10	10	\$42,370	Associate degree
17-3024	Electro-Mechanical Technicians	90	90	0	0%	0	0	\$44,326	Associate degree
17-3025	Environmental Engineering Technicians	50	50	0	2%	0	0	\$37,148	Associate degree
17-3026	Industrial Engineering Technicians	130	130	0	0%	10	10	\$42,706	Associate degree
17-3027	Mechanical Engineering Technicians	280	290	10	3%	10	20	\$48,661	Associate degree
17-3031	Surveying and Mapping Technicians	100	110	10	5%	10	10	\$35,228	Moderate-term on-the-job training
17-3099	Drafters, Engineering, and Mapping Technicians, All Other (OES Only)	290	290	0	0%	10	10	NA NA	
19-0000	Life, Physical, and Social Science Occupations	1,550	1,600	50	3%	70	130	\$52,460	NA
19-1000	Life Scientists	170	170	10	3%	10	10	NA NA	
19-1010	Agricultural and Food Scientists	20	20	0	4%	0	0	NA NA	
19-1022	Microbiologists	30	30	0	0%	0	0	NA	Doctoral degree
19-1031	Conservation Scientists	20	20	0	0%	0	0	\$49,388	Bachelor's degree
19-1042	Medical Scientists, Except Epidemiologists	60	60	0	5%	0	10	NA	Doctoral degree
19-1099	Life Scientists, All Other	20	20	0	0%	0	0	NA	Bachelor's degree
19-2000	Physical Scientists	360	370	10	2%	20	30	NA NA	
19-2031	Chemists	120	120	0	-1%	10	10	\$53,352	Bachelor's degree
19-2032	Materials Scientists	20	20	0	0%	0	0	NA	Bachelor's degree
19-2041	Environmental Scientists and Specialists, Including Health	130	140	10	5%	0	10	\$50,625	Bachelor's degree
19-2042	Geoscientists, Except Hydrologists and Geographers	60	60	0	5%	0	10	NA	Bachelor's degree
19-2099	Physical Scientists, All Other	20	20	0	-6%	0	0	#N/A	Bachelor's degree
19-3000	Social Scientists and Related Workers	550	560	20	3%	30	50	NA NA	
19-3021	Market Research Analysts	130	130	0	3%	10	10	\$51,573	Bachelor's degree
19-3031	Clinical, Counseling, and School Psychologists	310	330	20	5%	10	30	\$53,263	Master's degree
19-3051	Urban and Regional Planners	70	70	0	-1%	0	0	\$39,407	Master's degree
19-3099	Social Scientists and Related Workers, All Other	20	20	0	0%	0	0	#N/A	Master's degree
19-4000	Life, Physical, and Social Science Technicians	480	500	20	4%	20	40	NA NA	
19-4021	Biological Technicians	40	40	0	2%	0	0	\$30,463	Associate degree
19-4031	Chemical Technicians	120	120	0	1%	10	10	\$37,353	Associate degree
19-4091	Environmental Science and Protection Technicians, Including Health	90	100	10	12%	0	10	NA	Associate degree
19-4092	Forensic Science Technicians	20	20	0	0%	0	0	\$35,963	Associate degree
19-4099	Life, Physical, and Social Science Technicians, All Other	180	190	10	5%	10	20	NA	Associate degree
21-0000	Community and Social Services Occupations	4,250	4,460	210	5%	150	360	\$31,124	NA
21-1000	Counselors, Social Workers, and Other Community and Social Service Sp	3,630	3,820	190	5%	120	310	NA NA	
21-1011	Substance Abuse and Behavioral Disorder Counselors	170	180	10	4%	10	10	\$31,811	Master's degree
21-1012	Educational, Vocational, and School Counselors	400	410	10	3%	20	30	\$45,030	Master's degree
21-1013	Marriage and Family Therapists	50	50	0	4%	0	0	\$39,275	Master's degree
21-1014	Mental Health Counselors	190	200	10	5%	10	20	\$33,150	Master's degree
21-1015	Rehabilitation Counselors	160	170	10	4%	10	10	\$26,726	Master's degree
21-1021	Child, Family, and School Social Workers	690	710	20	2%	20	40	\$33,528	Bachelor's degree
21-1022	Medical and Public Health Social Workers	270	280	10	4%	10	20	\$38,566	Bachelor's degree
21-1023	Mental Health and Substance Abuse Social Workers	190	200	10	6%	10	20	\$31,296	Master's degree
21-1091	Health Educators	70	70	0	1%	0	0	\$32,248	Master's degree
21-1092	Probation Officers and Correctional Treatment Specialists	180	180	0	1%	10	10	NA	Bachelor's degree
21-1093	Social and Human Service Assistants	1,260	1,380	110	9%	40	150	\$21,063	Moderate-term on-the-job training
21-2000	Religious Workers	140	140	0	3%	10	10	NA NA	
21-2011	Clergy	100	100	0	2%	0	10	\$27,610	Master's degree
21-2021	Directors, Religious Activities and Education	40	40	0	5%	0	0	NA	Bachelor's degree
21-9000	Miscellaneous Counselors, Social, & Religious Workers	490	510	20	3%	20	30	NA NA	

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21-9099	Counselors, Social, and Religious Workers, All Other (OES Only)	490	510	20	3%	20	30	NA NA	
23-0000	Legal Occupations	1,680	1,710	40	2%	30	70	\$49,572 NA	
23-1000	Lawyers, Judges, and Related Workers	910	930	20	2%	20	40	NA NA	
23-1011	Lawyers	720	740	20	3%	20	40	\$79,026	First professional degree
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	30	30	0	0%	0	0	NA	Work experience plus bachelor's or higher degree
23-1022	Arbitrators, Mediators, and Conciliators	110	100	0	-3%	0	0	NA	Work experience plus bachelor's or higher degree
23-1023	Judges, Magistrate Judges, and Magistrates	60	60	0	0%	0	0	\$69,064	Work experience plus bachelor's or higher degree
23-2000	Legal Support Workers	700	720	20	3%	10	30	NA NA	
23-2011	Paralegals and Legal Assistants	350	360	20	5%	0	20	\$34,352	Associate degree
23-2091	Court Reporters	30	30	0	0%	0	0	NA	Postsecondary vocational training
23-2092	Law Clerks	90	90	0	1%	0	0	\$27,297	Bachelor's degree
23-2093	Title Examiners, Abstractors, and Searchers	250	240	0	0%	10	10	NA	Moderate-term on-the-job training
23-9000	Miscellaneous Legal & Related Workers	70	70	0	-2%	0	0	NA NA	
23-9099	Legal and Related Workers, All Other (OES Only)	70	70	0	-2%	0	0	NA NA	
25-0000	Education, Training, and Library Occupations	20,120	21,010	890	4%	790	1,680	\$38,431 NA	
25-1000	Postsecondary Teachers	2,340	2,520	180	8%	100	280	NA NA	
25-1011	Business Teachers, Postsecondary	170	180	10	8%	10	20	\$43,481	Doctoral degree
25-1021	Computer Science Teachers, Postsecondary	100	110	10	8%	0	10	\$37,792	Doctoral degree
25-1022	Mathematical Science Teachers, Postsecondary	100	100	10	7%	0	10	\$36,535	Doctoral degree
25-1031	Architecture Teachers, Postsecondary	20	20	0	6%	0	0	NA	Doctoral degree
25-1032	Engineering Teachers, Postsecondary	50	60	0	8%	0	10	\$56,187	Doctoral degree
25-1042	Biological Science Teachers, Postsecondary	80	80	10	7%	0	10	\$48,264	Doctoral degree
25-1052	Chemistry Teachers, Postsecondary	40	50	0	7%	0	10	\$43,833	Doctoral degree
25-1054	Physics Teachers, Postsecondary	20	20	0	5%	0	0	\$57,455	Doctoral degree
25-1063	Economics Teachers, Postsecondary	30	30	0	7%	0	0	\$51,247	Doctoral degree
25-1066	Psychology Teachers, Postsecondary	40	50	0	10%	0	10	\$37,135	Doctoral degree
25-1067	Sociology Teachers, Postsecondary	30	40	0	9%	0	0	\$43,265	Doctoral degree
25-1071	Health Specialties Teachers, Postsecondary	80	80	10	8%	0	10	NA	Doctoral degree
25-1072	Nursing Instructors and Teachers, Postsecondary	110	120	10	7%	10	10	\$38,901	Master's degree
25-1081	Education Teachers, Postsecondary	90	90	10	8%	0	10	NA	Doctoral degree
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	40	40	0	8%	0	10	NA	Doctoral degree
25-1112	Law Teachers, Postsecondary	30	30	0	10%	0	0	NA	Doctoral degree
25-1121	Art, Drama, and Music Teachers, Postsecondary	80	80	10	9%	0	10	NA	Doctoral degree
25-1122	Communications Teachers, Postsecondary	40	40	0	10%	0	10	\$44,228	Doctoral degree
25-1123	English Language and Literature Teachers, Postsecondary	80	80	10	8%	0	10	\$49,213	Doctoral degree
25-1124	Foreign Language and Literature Teachers, Postsecondary	40	50	0	9%	0	10	\$44,676	Doctoral degree
25-1125	History Teachers, Postsecondary	30	30	0	7%	0	0	\$46,982	Doctoral degree
25-1126	Philosophy and Religion Teachers, Postsecondary	50	50	0	9%	0	10	\$46,144	Doctoral degree
25-1191	Graduate Teaching Assistants	90	90	10	7%	0	10	NA	Bachelor's degree
25-1194	Vocational Education Teachers, Postsecondary	290	310	20	7%	10	30	\$40,374	Work experience in a related occupation
25-1199	Postsecondary Teachers, All Other	580	620	40	7%	30	70	NA	Doctoral degree
25-2000	Primary, Secondary, and Special Education School Teachers	11,390	11,800	410	4%	480	890	NA NA	
25-2011	Preschool Teachers, Except Special Education	490	490	0	1%	10	10	\$18,583	Bachelor's degree
25-2012	Kindergarten Teachers, Except Special Education	360	380	20	5%	10	30	\$46,178	Bachelor's degree
25-2021	Elementary School Teachers, Except Special Education	3,900	4,030	140	3%	150	290	\$43,733	Bachelor's degree
25-2022	Middle School Teachers, Except Special and Vocational Education	2,160	2,220	50	2%	80	140	\$43,031	Bachelor's degree
25-2023	Vocational Education Teachers, Middle School	40	40	0	2%	0	0	\$47,457	NA
25-2031	Secondary School Teachers, Except Special and Vocational Education	3,250	3,390	130	4%	170	310	\$44,089	Bachelor's degree
25-2032	Vocational Education Teachers, Secondary School	240	250	10	3%	10	20	\$48,828	Bachelor's degree
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary Sc	370	390	20	6%	20	40	\$44,616	Bachelor's degree
25-2042	Special Education Teachers, Middle School	260	280	20	6%	10	30	\$43,823	Bachelor's degree
25-2043	Special Education Teachers, Secondary School	310	330	20	6%	10	30	\$45,339	Bachelor's degree
25-3000	Other Teachers and Instructors	1,970	2,110	140	7%	40	180	NA NA	
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	50	50	0	4%	0	0	\$44,066	Bachelor's degree

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25-3021	Self-Enrichment Education Teachers	590	630	50	8%	10	60	\$28,368	Work experience in a related occupation
25-3999	Teachers, Primary, Secondary, and Adult, All Other (OES Only)	1,330	1,420	90	7%	30	120	NA NA	
25-4000	<i>Librarians, Curators, and Archivists</i>	660	660	10	1%	40	50	NA NA	
25-4010	Archivists, Curators, and Museum Technicians	20	20	0	0%	0	0	NA NA	
25-4021	Librarians	380	390	0	1%	20	20	\$42,755	Master's degree
25-4031	Library Technicians	260	260	0	2%	20	30	\$22,167	Short-term on-the-job training
25-9000	<i>Other Education, Training, and Library Occupations</i>	3,760	3,920	160	4%	130	290	NA NA	
25-9031	Instructional Coordinators	190	200	10	4%	10	10	\$51,067	Master's degree
25-9041	Teacher Assistants	3,530	3,680	150	4%	120	270	\$17,393	Short-term on-the-job training
25-9199	Library, Museum, Training, and Other Education Workers, All Other (OES)	20	20	0	5%	0	0	NA NA	
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	2,990	3,040	50	2%	100	170	\$30,461	NA
27-1000	<i>Art and Design Workers</i>	1,100	1,100	0	0%	30	40	NA NA	
27-1011	Art Directors	40	40	0	5%	0	0	NA	Work experience plus bachelor's or higher degree
27-1021	Commercial and Industrial Designers	30	40	0	3%	0	0	\$43,653	Bachelor's degree
27-1023	Floral Designers	400	390	-10	-3%	10	10	\$20,205	Moderate-term on-the-job training
27-1024	Graphic Designers	300	310	10	2%	10	10	\$32,824	Bachelor's degree
27-1025	Interior Designers	170	180	10	4%	0	10	\$37,090	Bachelor's degree
27-1026	Merchandise Displayers and Window Trimmers	100	100	0	1%	0	0	\$27,143	Moderate-term on-the-job training
27-1099	Art and Design Workers, All Other (OES Only)	40	40	0	3%	0	0	NA NA	
27-2000	<i>Entertainers and Performers, Sports and Related Workers</i>	620	640	20	3%	20	50	NA NA	
27-2011	Actors	30	30	0	0%	0	0	NA	Long-term on-the-job training
27-2012	Producers and Directors	20	20	0	0%	0	0	\$37,230	Work experience plus bachelor's or higher degree
27-2022	Coaches and Scouts	350	370	10	4%	10	30	\$21,758	Long-term on-the-job training
27-2023	Umpires, Referees, and Other Sports Officials	30	30	0	4%	0	0	\$20,765	Long-term on-the-job training
27-2032	Choreographers	20	20	0	5%	0	0	NA	Work experience in a related occupation
27-2041	Music Directors and Composers	30	30	0	3%	0	0	\$34,119	Work experience plus bachelor's or higher degree
27-2042	Musicians and Singers	100	100	0	3%	0	10	\$0	Long-term on-the-job training
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	40	40	0	3%	0	0	NA	Long-term on-the-job training
27-3000	<i>Media and Communication Workers</i>	890	890	10	1%	30	50	NA NA	
27-3010	Announcers	130	130	0	-3%	10	10	NA NA	
27-3020	News Analysts, Reporters and Correspondents	140	140	0	-1%	10	10	NA NA	
27-3031	Public Relations Specialists	330	340	20	5%	10	20	\$38,103	Bachelor's degree
27-3041	Editors	120	120	0	0%	10	10	\$41,146	Bachelor's degree
27-3042	Technical Writers	40	40	0	-2%	0	0	\$48,499	Bachelor's degree
27-3043	Writers and Authors	70	70	0	2%	0	0	NA	Bachelor's degree
27-3091	Interpreters and Translators	40	40	0	3%	0	0	\$30,158	Long-term on-the-job training
27-3099	Media and Communication Workers, All Other	30	20	0	-8%	0	0	NA	Long-term on-the-job training
27-4000	<i>Media and Communication Equipment Workers</i>	390	410	10	3%	20	30	NA NA	
27-4011	Audio and Video Equipment Technicians	30	40	0	6%	0	0	\$52,928	Long-term on-the-job training
27-4021	Photographers	330	330	10	3%	10	20	\$27,589	Long-term on-the-job training
29-0000	Healthcare Practitioners and Technical Occupations	19,190	19,870	680	4%	660	1,350	\$56,327	NA
29-1000	<i>Health Diagnosing and Treating Practitioners</i>	11,880	12,330	450	4%	420	870	NA NA	
29-1011	Chiropractors	70	70	0	-1%	0	0	\$102,822	First professional degree
29-1020	Dentists	210	210	0	0%	10	10	NA NA	
29-1031	Dietitians and Nutritionists	130	140	0	3%	10	10	\$50,975	Bachelor's degree
29-1041	Optometrists	80	80	0	-1%	0	0	\$102,160	First professional degree
29-1051	Pharmacists	850	870	20	2%	30	50	\$80,444	First professional degree
29-1061	Anesthesiologists	20	20	0	6%	0	0	NA	First professional degree
29-1062	Family and General Practitioners	480	490	10	2%	10	20	\$144,955	First professional degree
29-1063	Internists, General	200	210	0	2%	10	10	NA	First professional degree
29-1064	Obstetricians and Gynecologists	230	230	10	2%	10	10	\$176,084	First professional degree
29-1065	Pediatricians, General	30	30	0	0%	0	0	NA	First professional degree
29-1066	Psychiatrists	30	30	0	3%	0	0	\$150,804	First professional degree

Code	Occupational Title	2005 Employment	2007 Projection	Two Year Change	Percent Change	Replacements ¹	Total Openings	2004 Annual Wage ²	Education Requirement ³
29-1067	Surgeons	150	160	0	3%	0	10	\$176,945	First professional degree
29-1069	Physicians and Surgeons, All Other	740	750	10	2%	20	30	NA	NA
29-1071	Physician Assistants	80	80	10	6%	0	10	\$42,899	Bachelor's degree
29-1081	Podiatrists	70	70	0	-1%	0	0	\$126,265	First professional degree
29-1111	Registered Nurses	6,990	7,310	320	5%	260	580	\$44,598	Associate degree
29-1121	Audiologists	30	30	0	3%	0	0	NA	Master's degree
29-1122	Occupational Therapists	230	250	10	6%	10	20	\$67,497	Bachelor's degree
29-1123	Physical Therapists	360	380	20	4%	10	20	\$74,563	Master's degree
29-1124	Radiation Therapists	90	100	10	5%	0	10	\$53,640	Associate degree
29-1125	Recreational Therapists	60	60	0	5%	0	10	\$29,311	Bachelor's degree
29-1126	Respiratory Therapists	340	360	20	5%	20	40	\$43,145	Associate degree
29-1127	Speech-Language Pathologists	220	230	10	4%	10	20	\$63,618	Master's degree
29-1131	Veterinarians	120	130	10	5%	10	10	\$132,545	First professional degree
29-1199	Health Diagnosing and Treating Practitioners, All Other	70	70	0	1%	0	0	\$88,861	First professional degree
29-2000	Health Technologists and Technicians	6,910	7,140	230	3%	230	460	NA	NA
29-2011	Medical and Clinical Laboratory Technologists	310	330	10	4%	20	30	\$44,521	Bachelor's degree
29-2012	Medical and Clinical Laboratory Technicians	360	380	10	4%	20	30	\$31,497	Associate degree
29-2021	Dental Hygienists	440	470	30	7%	10	40	\$56,988	Associate degree
29-2031	Cardiovascular Technologists and Technicians	210	220	10	6%	10	20	\$35,939	Associate degree
29-2032	Diagnostic Medical Sonographers	100	100	0	3%	0	10	\$55,900	Associate degree
29-2033	Nuclear Medicine Technologists	60	60	0	2%	0	0	\$57,988	NA
29-2034	Radiologic Technologists and Technicians	640	670	20	3%	20	40	\$42,378	Associate degree
29-2041	Emergency Medical Technicians and Paramedics	310	320	10	4%	10	20	\$25,772	Postsecondary vocational training
29-2051	Dietetic Technicians	40	40	0	3%	0	0	\$24,249	Moderate-term on-the-job training
29-2052	Pharmacy Technicians	900	920	20	2%	20	40	\$24,747	Moderate-term on-the-job training
29-2053	Psychiatric Technicians	90	90	0	1%	0	0	\$22,327	Postsecondary vocational training
29-2054	Respiratory Therapy Technicians	80	80	10	8%	0	10	\$38,476	Postsecondary vocational training
29-2055	Surgical Technologists	240	250	10	5%	10	20	\$33,738	Postsecondary vocational training
29-2056	Veterinary Technologists and Technicians	70	80	10	7%	0	10	\$23,279	Associate degree
29-2061	Licensed Practical and Licensed Vocational Nurses	2,330	2,380	40	2%	90	140	\$33,188	Postsecondary vocational training
29-2071	Medical Records and Health Information Technicians	460	490	30	7%	10	50	\$23,746	Associate degree
29-2081	Opticians, Dispensing	280	280	10	2%	10	10	\$23,190	Long-term on-the-job training
29-9000	Other Healthcare Practitioners and Technical Occupations	110	110	0	0%	0	0	NA	NA
29-9010	Occupational Health and Safety Specialists and Technicians	70	70	0	0%	0	0	NA	NA
29-9091	Athletic Trainers	40	40	0	0%	0	0	\$35,482	Bachelor's degree
29-9100	Other Health Practitioners And Technical Workers	280	290	10	2%	10	10	NA	NA
29-9199	Health Professionals and Technicians, All Other (OES Only)	280	290	10	2%	10	10	NA	NA
31-0000	Healthcare Support Occupations	7,860	8,240	380	5%	230	620	\$22,908	NA
31-1000	Nursing, Psychiatric, and Home Health Aides	4,700	4,910	210	4%	110	320	NA	NA
31-1011	Home Health Aides	940	1,010	80	8%	20	100	\$19,570	Short-term on-the-job training
31-1012	Nursing Aides, Orderlies, and Attendants	3,620	3,750	130	4%	90	220	\$20,080	Short-term on-the-job training
31-1013	Psychiatric Aides	150	150	0	2%	0	10	\$23,437	Short-term on-the-job training
31-2000	Occupational and Physical Therapist Assistants and Aides	430	450	20	5%	10	30	NA	NA
31-2011	Occupational Therapist Assistants	110	110	10	7%	0	10	\$35,350	Associate degree
31-2012	Occupational Therapist Aides	30	30	0	3%	0	0	NA	Short-term on-the-job training
31-2021	Physical Therapist Assistants	130	140	10	4%	0	10	\$37,975	Associate degree
31-2022	Physical Therapist Aides	160	170	10	5%	10	10	\$22,564	Short-term on-the-job training
31-9000	Other Healthcare Support Occupations	2,730	2,880	150	6%	110	260	NA	NA
31-9011	Massage Therapists	260	270	10	5%	10	20	NA	Postsecondary vocational training
31-9091	Dental Assistants	550	580	40	7%	30	70	\$28,338	Moderate-term on-the-job training
31-9092	Medical Assistants	970	1,050	80	8%	40	120	\$24,142	Moderate-term on-the-job training
31-9093	Medical Equipment Preparers	70	70	0	1%	0	0	\$23,232	Short-term on-the-job training
31-9094	Medical Transcriptionists	200	200	0	2%	10	10	\$26,812	Postsecondary vocational training
31-9095	Pharmacy Aides	170	170	0	-1%	10	10	\$18,558	Short-term on-the-job training
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	200	210	10	6%	10	20	\$15,628	Short-term on-the-job training

Code	Occupational Title	2005 Employment	2007 Projection	Two Year Change	Percent Change	Replacements ¹	Total Openings	2004 Annual Wage ²	Education Requirement ³
31-9099	Healthcare Support Workers, All Other	320	330	10	3%	10	20	\$21,505	Short-term on-the-job training
33-0000	Protective Service Occupations	7,380	7,540	160	2%	440	600	\$29,116	NA
33-1000	First-Line Supervisors/Managers, Protective Service Workers	650	660	10	1%	40	50	NA	NA
33-1011	First-Line Supervisors/Managers of Correctional Officers	60	60	0	2%	0	0	\$34,658	Work experience in a related occupation
33-1012	First-Line Supervisors/Managers of Police and Detectives	280	280	0	0%	20	20	\$52,827	Work experience in a related occupation
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	160	160	0	1%	10	10	\$51,271	Work experience in a related occupation
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	160	160	0	1%	10	10	\$28,993	Work experience in a related occupation
33-2000	Fire Fighting and Prevention Workers	750	760	10	1%	40	50	NA	NA
33-2011	Fire Fighters	700	710	10	1%	40	50	\$35,055	Long-term on-the-job training
33-2021	Fire Inspectors and Investigators	50	50	0	0%	0	0	NA	Work experience in a related occupation
33-3000	Law Enforcement Workers	2,670	2,720	50	2%	120	170	NA	NA
33-3011	Bailiffs	40	40	0	0%	0	0	NA	NA
33-3012	Correctional Officers and Jailers	830	850	20	2%	30	50	\$26,775	Moderate-term on-the-job training
33-3021	Detectives and Criminal Investigators	180	180	0	1%	10	10	\$45,268	Work experience in a related occupation
33-3041	Parking Enforcement Workers	30	30	0	0%	0	0	NA	Short-term on-the-job training
33-3051	Police and Sheriff's Patrol Officers	1,580	1,620	30	2%	80	110	\$37,435	Long-term on-the-job training
33-9000	Other Protective Service Workers	3,310	3,400	90	3%	240	330	NA	NA
33-9011	Animal Control Workers	50	50	0	2%	10	10	\$18,629	Moderate-term on-the-job training
33-9021	Private Detectives and Investigators	90	100	10	5%	0	10	\$37,434	Work experience in a related occupation
33-9031	Gaming Surveillance Officers and Gaming Investigators	120	130	10	9%	10	20	\$29,603	Moderate-term on-the-job training
33-9032	Security Guards	2,460	2,520	70	3%	110	180	\$19,969	Short-term on-the-job training
33-9091	Crossing Guards	160	160	0	0%	10	10	\$17,587	NA
33-9099	Protective Service Workers, All Other	430	440	10	3%	90	100	\$25,698	Short-term on-the-job training
35-0000	Food Preparation and Serving Related Occupations	29,510	30,250	740	3%	2,930	3,680	\$16,318	NA
35-1000	Supervisors, Food Preparation and Serving Workers	2,360	2,410	50	2%	130	180	NA	NA
35-1011	Chefs and Head Cooks	320	340	10	4%	20	40	\$29,028	Postsecondary vocational training
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Worker	2,040	2,080	30	2%	110	140	\$24,253	Work experience in a related occupation
35-2000	Cooks and Food Preparation Workers	7,140	7,270	130	2%	600	730	NA	NA
35-2011	Cooks, Fast Food	1,220	1,210	-10	-1%	100	100	\$13,723	Short-term on-the-job training
35-2012	Cooks, Institution and Cafeteria	1,150	1,150	0	0%	90	90	\$19,256	Long-term on-the-job training
35-2014	Cooks, Restaurant	1,390	1,460	60	5%	110	170	\$18,171	Long-term on-the-job training
35-2015	Cooks, Short Order	600	600	10	1%	50	50	\$15,821	Short-term on-the-job training
35-2021	Food Preparation Workers	2,780	2,850	60	2%	250	320	\$19,270	Short-term on-the-job training
35-3000	Food and Beverage Serving Workers	16,740	17,200	450	3%	1,910	2,370	NA	NA
35-3011	Bartenders	1,640	1,670	30	2%	130	160	\$15,442	Short-term on-the-job training
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	7,930	8,090	160	2%	870	1,020	\$14,617	Short-term on-the-job training
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	990	1,010	20	2%	210	230	\$14,778	Short-term on-the-job training
35-3031	Waiters and Waitresses	5,910	6,140	240	4%	690	930	\$13,966	Short-term on-the-job training
35-3041	Food Servers, Nonrestaurant	280	290	10	3%	20	30	\$15,979	Short-term on-the-job training
35-9000	Other Food Preparation and Serving Related Workers	3,260	3,370	120	4%	290	410	NA	NA
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	1,210	1,260	40	4%	110	150	\$13,212	Short-term on-the-job training
35-9021	Dishwashers	1,300	1,340	40	3%	120	170	\$14,041	Short-term on-the-job training
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	680	710	30	4%	50	80	\$15,091	Short-term on-the-job training
35-9099	Food Preparation and Serving Related Workers, All Other	70	70	0	3%	10	10	NA	Short-term on-the-job training
37-0000	Building and Grounds Cleaning and Maintenance Occupations	12,340	12,640	300	2%	490	790	\$20,741	NA
37-1000	Supervisors, Building and Grounds Cleaning and Maintenance Workers	810	830	20	2%	30	50	NA	NA
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	510	520	10	2%	20	30	\$31,681	Work experience in a related occupation
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Grou	300	310	10	2%	10	10	\$42,319	Work experience in a related occupation
37-2000	Building Cleaning and Pest Control Workers	8,600	8,800	210	2%	330	540	NA	NA

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37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	5,870	6,030	160	3%	220	380	\$20,169	Short-term on-the-job training
37-2012	Maids and Housekeeping Cleaners	2,660	2,700	50	2%	110	150	\$16,566	Short-term on-the-job training
37-2021	Pest Control Workers	70	70	0	1%	0	0	\$28,023	Moderate-term on-the-job training
37-3000	Grounds Maintenance Workers	2,930	3,000	80	3%	130	200	NA	NA
37-3011	Landscaping and Groundskeeping Workers	1,950	1,990	40	2%	90	120	\$20,138	Short-term on-the-job training
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	180	180	10	3%	10	10	\$31,748	Moderate-term on-the-job training
37-3013	Tree Trimmers and Pruners	590	610	20	3%	30	40	NA	Short-term on-the-job training
37-9099	Building and Grounds Cleaning and Maintenance Workers, All Other (OE\$	210	220	10	6%	10	20	NA	NA
39-0000	Personal Care and Service Occupations	12,100	12,530	430	4%	670	1,110	\$19,141	NA
39-1000	Supervisors, Personal Care and Service Workers	1,320	1,380	60	5%	60	120	NA	NA
39-1011	Gaming Supervisors	400	430	30	7%	20	50	\$39,245	Postsecondary vocational training
39-1012	Slot Key Persons	320	350	20	7%	10	40	\$24,041	Postsecondary vocational training
39-1021	First-Line Supervisors/Managers of Personal Service Workers	600	600	10	1%	30	40	\$30,394	Work experience in a related occupation
39-2000	Animal Care and Service Workers	320	330	10	3%	20	20	NA	NA
39-2011	Animal Trainers	50	50	0	7%	0	10	NA	Moderate-term on-the-job training
39-2021	Nonfarm Animal Caretakers	280	280	10	2%	10	20	\$16,403	Short-term on-the-job training
39-3000	Entertainment Attendants and Related Workers	2,620	2,810	190	7%	250	430	NA	NA
39-3011	Gaming Dealers	1,510	1,660	140	10%	130	270	\$15,092	Postsecondary vocational training
39-3031	Ushers, Lobby Attendants, and Ticket Takers	380	390	20	5%	60	80	\$14,165	Short-term on-the-job training
39-3091	Amusement and Recreation Attendants	440	450	10	2%	30	40	\$14,131	Short-term on-the-job training
39-3093	Locker Room, Coatroom, and Dressing Room Attendants	100	100	0	4%	10	10	\$15,355	Work experience in a related occupation
39-3199	Gaming Workers, All Other (OES Only)	180	190	10	6%	10	20	NA	NA
39-4000	Funeral Service Workers	90	100	0	3%	0	10	NA	NA
39-4021	Funeral Attendants	90	100	0	3%	0	10	\$19,778	Short-term on-the-job training
39-5000	Personal Appearance Workers	2,380	2,430	50	2%	90	140	NA	NA
39-5012	Hairdressers, Hairstylists, and Cosmetologists	2,180	2,230	50	2%	80	120	\$21,006	Postsecondary vocational training
39-5092	Manicurists and Pedicurists	150	150	10	4%	10	10	\$17,549	Postsecondary vocational training
39-5093	Shampooers	30	30	0	0%	0	0	NA	Short-term on-the-job training
39-5094	Skin Care Specialists	20	20	0	5%	0	0	\$21,583	Postsecondary vocational training
39-6000	Transportation, Tourism, and Lodging Attendants	40	40	0	-3%	0	0	NA	NA
39-9000	Other Personal Care and Service Workers	5,330	5,450	120	2%	260	390	NA	NA
39-9011	Child Care Workers	2,850	2,860	10	0%	170	180	\$16,399	Short-term on-the-job training
39-9021	Personal and Home Care Aides	1,120	1,200	80	7%	30	110	\$17,975	Short-term on-the-job training
39-9031	Fitness Trainers and Aerobics Instructors	500	530	30	6%	20	50	\$26,505	Postsecondary vocational training
39-9032	Recreation Workers	630	650	10	2%	30	40	\$20,608	Bachelor's degree
39-9041	Residential Advisors	20	20	0	0%	0	0	NA	Moderate-term on-the-job training
39-9099	Personal Care and Service Workers, All Other	210	210	-10	-2%	10	10	\$16,109	Moderate-term on-the-job training
41-0000	Sales and Related Occupations	34,070	34,360	290	1%	2,660	2,970	\$25,917	NA
41-1000	Supervisors, Sales Workers	4,930	4,950	20	0%	160	190	NA	NA
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	4,040	4,050	20	0%	130	150	\$36,918	Work experience in a related occupation
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	890	900	10	1%	30	40	\$58,698	Work experience in a related occupation
41-2000	Retail Sales Workers	21,140	21,310	160	1%	2,170	2,340	NA	NA
41-2011	Cashiers	9,250	9,320	70	1%	1,200	1,270	\$15,935	Short-term on-the-job training
41-2012	Gaming Change Persons and Booth Cashiers	310	330	30	9%	40	70	\$20,520	Short-term on-the-job training
41-2021	Counter and Rental Clerks	1,070	1,100	30	3%	100	130	\$18,119	Short-term on-the-job training
41-2022	Parts Salespersons	620	610	0	-1%	40	40	\$27,533	Moderate-term on-the-job training
41-2031	Retail Salespersons	9,910	9,940	40	0%	800	830	\$20,465	Short-term on-the-job training
41-3000	Sales Representatives, Services	1,500	1,520	20	1%	50	70	NA	NA
41-3011	Advertising Sales Agents	190	190	0	-1%	10	10	\$38,125	Moderate-term on-the-job training

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41-3021	Insurance Sales Agents	540	550	10	3%	30	40	\$51,579	Bachelor's degree
41-3031	Securities, Commodities, and Financial Services Sales Agents	680	690	10	1%	10	20	\$73,598	Bachelor's degree
41-3041	Travel Agents	90	90	0	-3%	0	0	\$19,907	Postsecondary vocational training
41-4000	<i>Sales Representatives, Wholesale and Manufacturing</i>	2,760	2,790	30	1%	140	180	NA	NA
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scie	450	460	10	3%	20	40	\$55,264	Moderate-term on-the-job training
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical a	2,310	2,330	20	1%	120	140	\$49,490	Moderate-term on-the-job training
41-9000	<i>Other Sales and Related Workers</i>	3,740	3,790	60	2%	130	200	NA	NA
41-9011	Demonstrators and Product Promoters	230	240	10	5%	10	20	\$26,278	Moderate-term on-the-job training
41-9021	Real Estate Brokers	50	50	0	4%	0	0	NA	Work experience in a related occupation
41-9022	Real Estate Sales Agents	470	480	10	2%	20	30	\$45,673	Postsecondary vocational training
41-9031	Sales Engineers	150	150	0	-1%	10	10	\$79,218	Bachelor's degree
41-9041	Telemarketers	2,080	2,120	40	2%	70	100	NA	Short-term on-the-job training
41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Wo	120	110	-10	-6%	10	10	NA	Short-term on-the-job training
41-9099	Sales and Related Workers, All Other	630	640	10	2%	20	30	\$26,072	Moderate-term on-the-job training
43-0000	Office and Administrative Support Occupations	49,760	49,780	20	0%	2,430	2,850	\$26,111	NA
43-1000	<i>Supervisors, Office and Administrative Support Workers</i>	2,800	2,770	-30	-1%	110	110	NA	NA
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Wo	2,800	2,770	-30	-1%	110	110	\$39,989	Work experience in a related occupation
43-2000	<i>Communications Equipment Operators</i>	540	520	-10	-2%	30	30	NA	NA
43-2011	Switchboard Operators, Including Answering Service	520	510	-10	-2%	30	30	\$20,472	Short-term on-the-job training
43-3000	<i>Financial Clerks</i>	9,300	9,350	50	1%	490	590	NA	NA
43-3011	Bill and Account Collectors	940	980	40	4%	30	80	\$26,843	Short-term on-the-job training
43-3021	Billing and Posting Clerks and Machine Operators	1,860	1,890	20	1%	60	80	\$26,022	Short-term on-the-job training
43-3031	Bookkeeping, Accounting, and Auditing Clerks	3,890	3,860	-40	-1%	140	140	\$26,306	Moderate-term on-the-job training
43-3041	Gaming Cage Workers	480	510	40	8%	60	100	\$21,847	Short-term on-the-job training
43-3051	Payroll and Timekeeping Clerks	590	590	0	-1%	30	30	\$30,000	Short-term on-the-job training
43-3061	Procurement Clerks	100	100	0	-1%	10	10	\$29,426	Short-term on-the-job training
43-3071	Tellers	1,440	1,430	-10	-1%	160	160	\$19,709	Short-term on-the-job training
43-4000	<i>Information and Record Clerks</i>	8,750	8,890	140	2%	420	610	NA	NA
43-4011	Brokerage Clerks	40	40	0	0%	0	0	\$25,001	Moderate-term on-the-job training
43-4021	Correspondence Clerks	30	30	0	0%	0	0	\$28,979	Short-term on-the-job training
43-4031	Court, Municipal, and License Clerks	250	250	0	0%	10	10	\$24,544	Short-term on-the-job training
43-4041	Credit Authorizers, Checkers, and Clerks	80	70	0	-3%	0	0	\$35,040	Short-term on-the-job training
43-4051	Customer Service Representatives	2,040	2,080	40	2%	60	100	\$28,503	Moderate-term on-the-job training
43-4061	Eligibility Interviewers, Government Programs	210	200	-10	-4%	10	10	\$26,649	Moderate-term on-the-job training
43-4071	File Clerks	640	640	-10	-1%	40	40	\$19,543	Short-term on-the-job training
43-4081	Hotel, Motel, and Resort Desk Clerks	310	310	0	-1%	30	30	\$15,940	Short-term on-the-job training
43-4111	Interviewers, Except Eligibility and Loan	310	330	10	4%	20	30	\$24,171	Short-term on-the-job training
43-4121	Library Assistants, Clerical	470	480	20	3%	40	60	\$17,537	Short-term on-the-job training
43-4131	Loan Interviewers and Clerks	300	290	-10	-4%	10	10	\$30,836	Short-term on-the-job training
43-4141	New Accounts Clerks	290	290	0	-1%	20	20	\$22,115	Work experience in a related occupation
43-4151	Order Clerks	610	600	-10	-2%	30	30	\$25,216	Short-term on-the-job training
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	360	360	10	2%	20	20	\$30,681	Short-term on-the-job training
43-4171	Receptionists and Information Clerks	2,480	2,590	100	4%	130	230	\$20,533	Short-term on-the-job training
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	60	70	10	8%	0	10	NA	Short-term on-the-job training
43-4999	Financial, Information, and Record Clerks, All Other (OES Only)	280	280	0	1%	10	10	NA	NA
43-5000	<i>Material Recording, Scheduling, Dispatching, and Distributing Workers</i>	9,690	9,600	-100	-1%	650	690	NA	NA
43-5011	Cargo and Freight Agents	230	230	0	-1%	10	10	\$38,693	Moderate-term on-the-job training
43-5021	Couriers and Messengers	640	660	20	4%	30	50	NA	Short-term on-the-job training
43-5031	Police, Fire, and Ambulance Dispatchers	280	280	0	1%	10	10	\$22,729	Moderate-term on-the-job training
43-5032	Dispatchers, Except Police, Fire, and Ambulance	350	360	0	1%	10	20	\$39,337	Moderate-term on-the-job training
43-5041	Meter Readers, Utilities	80	80	0	-5%	10	10	NA	NA
43-5051	Postal Service Clerks	220	220	0	0%	10	10	\$41,331	Short-term on-the-job training
43-5052	Postal Service Mail Carriers	940	940	0	0%	60	60	\$43,633	Short-term on-the-job training
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operatc	340	340	-10	-2%	20	20	\$38,153	Short-term on-the-job training

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43-5061	Production, Planning, and Expediting Clerks	1,370	1,380	0	0%	60	70	NA	Short-term on-the-job training
43-5071	Shipping, Receiving, and Traffic Clerks	1,250	1,230	-20	-1%	50	50	\$26,638	Short-term on-the-job training
43-5081	Stock Clerks and Order Fillers	3,700	3,600	-100	-3%	370	370	\$20,716	Short-term on-the-job training
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	240	250	0	2%	10	20	\$25,520	Short-term on-the-job training
43-5199	Material Recording, Scheduling, Dispatching, and Distributing Workers, AI	50	50	0	-2%	10	10	NA	NA
<i>43-6000</i>	<i>Secretaries and Administrative Assistants</i>	<i>9,340</i>	<i>9,330</i>	<i>-10</i>	<i>0%</i>	<i>330</i>	<i>380</i>	<i>NA</i>	<i>NA</i>
43-6011	Executive Secretaries and Administrative Assistants	2,960	2,960	0	0%	100	110	\$32,048	Moderate-term on-the-job training
43-6012	Legal Secretaries	580	600	20	3%	20	40	\$27,682	Postsecondary vocational training
43-6013	Medical Secretaries	1,530	1,570	30	2%	50	90	\$23,204	Postsecondary vocational training
43-6014	Secretaries, Except Legal, Medical, and Executive	4,270	4,210	-60	-1%	150	150	\$24,127	Moderate-term on-the-job training
<i>43-9000</i>	<i>Other Office and Administrative Support Workers</i>	<i>9,350</i>	<i>9,320</i>	<i>-30</i>	<i>0%</i>	<i>410</i>	<i>460</i>	<i>NA</i>	<i>NA</i>
43-9011	Computer Operators	340	320	-30	-7%	10	10	\$29,916	Moderate-term on-the-job training
43-9021	Data Entry Keyers	590	590	-10	-1%	30	30	\$22,431	Moderate-term on-the-job training
43-9022	Word Processors and Typists	350	330	-20	-7%	20	20	\$22,166	Moderate-term on-the-job training
43-9031	Desktop Publishers	40	40	0	3%	0	0	\$28,818	Postsecondary vocational training
43-9041	Insurance Claims and Policy Processing Clerks	410	410	0	0%	10	10	\$24,982	Moderate-term on-the-job training
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	150	150	-10	-3%	10	10	\$22,652	Short-term on-the-job training
43-9061	Office Clerks, General	6,960	7,010	50	1%	310	360	\$20,709	Short-term on-the-job training
43-9071	Office Machine Operators, Except Computer	60	60	0	-5%	0	0	\$24,728	Short-term on-the-job training
43-9081	Proofreaders and Copy Markers	40	40	0	-5%	0	0	\$24,241	Short-term on-the-job training
43-9111	Statistical Assistants	40	30	0	-6%	0	0	#N/A	Moderate-term on-the-job training
43-9999	Secretaries, Administrative Assistants, and Other Office Support Workers,	360	350	0	-1%	10	10	NA	NA
45-0000	Farming, Fishing, and Forestry Occupations	1,130	1,130	0	0%	70	70	\$23,847	NA
<i>45-1000</i>	<i>Supervisors, Farming, Fishing, and Forestry Workers</i>	<i>50</i>	<i>60</i>	<i>0</i>	<i>2%</i>	<i>0</i>	<i>0</i>	<i>NA</i>	<i>NA</i>
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Worke	50	60	0	2%	0	0	\$30,592	Work experience in a related occupation
<i>45-2000</i>	<i>Agricultural Workers</i>	<i>950</i>	<i>950</i>	<i>0</i>	<i>0%</i>	<i>60</i>	<i>60</i>	<i>NA</i>	<i>NA</i>
45-2011	Agricultural Inspectors	20	20	0	-5%	0	0	#N/A	Work experience in a related occupation
45-2041	Graders and Sorters, Agricultural Products	40	40	0	5%	0	0	NA	Work experience in a related occupation
45-2091	Agricultural Equipment Operators	80	80	0	-3%	10	10	NA	Moderate-term on-the-job training
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	770	770	0	1%	50	50	NA	Long-term on-the-job training
45-2093	Farmworkers, Farm and Ranch Animals	40	40	0	0%	0	0	\$15,404	Moderate-term on-the-job training
<i>45-4000</i>	<i>Forest, Conservation, and Logging Workers</i>	<i>30</i>	<i>30</i>	<i>0</i>	<i>0%</i>	<i>0</i>	<i>0</i>	<i>#N/A</i>	<i>NA</i>
45-4011	Forest and Conservation Workers	20	20	0	0%	0	0	#N/A	Moderate-term on-the-job training
<i>45-9000</i>	<i>Other Farming, Fishing, and Forestry Workers</i>	<i>100</i>	<i>100</i>	<i>0</i>	<i>-2%</i>	<i>10</i>	<i>10</i>	<i>NA</i>	<i>NA</i>
45-9099	Farming, Fishing, and Forestry Workers, All Other (OES Only)	100	100	0	-2%	10	10	NA	NA
47-0000	Construction and Extraction Occupations	20,520	20,780	260	1%	730	1,000	\$44,408	NA
<i>47-1000</i>	<i>Supervisors, Construction and Extraction Workers</i>	<i>1,610</i>	<i>1,640</i>	<i>30</i>	<i>2%</i>	<i>50</i>	<i>80</i>	<i>NA</i>	<i>NA</i>
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction W	1,610	1,640	30	2%	50	80	\$55,837	Work experience in a related occupation
<i>47-2000</i>	<i>Construction Trades Workers</i>	<i>16,920</i>	<i>17,120</i>	<i>200</i>	<i>1%</i>	<i>580</i>	<i>780</i>	<i>NA</i>	<i>NA</i>
47-2011	Boilermakers	90	90	0	0%	10	10	NA	Long-term on-the-job training
47-2021	Brickmasons and Blockmasons	1,020	1,030	0	0%	30	30	\$45,386	Long-term on-the-job training
47-2022	Stonemasons	40	40	0	2%	0	0	NA	Long-term on-the-job training
47-2031	Carpenters	3,830	3,910	80	2%	110	190	\$41,252	Long-term on-the-job training
47-2041	Carpet Installers	640	650	0	1%	20	20	\$43,181	Moderate-term on-the-job training
47-2042	Floor Layers, Except Carpet, Wood, and Hard Tiles	30	30	0	0%	0	0	\$45,820	Moderate-term on-the-job training
47-2043	Floor Sanders and Finishers	30	30	0	-4%	0	0	NA	Moderate-term on-the-job training
47-2051	Cement Masons and Concrete Finishers	730	760	30	4%	30	50	\$44,383	Long-term on-the-job training
47-2061	Construction Laborers	2,500	2,520	20	1%	60	80	\$38,474	Moderate-term on-the-job training
47-2071	Paving, Surfacing, and Tamping Equipment Operators	200	200	10	3%	10	10	\$31,503	Moderate-term on-the-job training
47-2073	Operating Engineers and Other Construction Equipment Operators	1,120	1,120	0	0%	60	60	\$50,174	Moderate-term on-the-job training
47-2081	Drywall and Ceiling Tile Installers	120	120	0	2%	10	10	\$35,556	Moderate-term on-the-job training
47-2082	Tapers	70	70	0	0%	0	0	\$37,575	Moderate-term on-the-job training

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47-2111	Electricians	2,490	2,520	30	1%	90	120	\$51,052	Long-term on-the-job training
47-2121	Glaziers	60	60	0	0%	0	0	\$38,030	Long-term on-the-job training
47-2130	Insulation Workers	110	110	0	0%	10	10	NA NA	
47-2141	Painters, Construction and Maintenance	770	770	0	0%	20	20	\$36,560	Moderate-term on-the-job training
47-2142	Paperhangers	40	50	0	2%	0	0	NA	Moderate-term on-the-job training
47-2151	Pipelayers	180	180	0	1%	10	10	\$38,904	Moderate-term on-the-job training
47-2152	Plumbers, Pipefitters, and Steamfitters	1,150	1,160	0	0%	50	50	\$63,180	Long-term on-the-job training
47-2161	Plasterers and Stucco Masons	40	40	0	0%	0	0	\$45,882	Long-term on-the-job training
47-2171	Reinforcing Iron and Rebar Workers	90	90	0	2%	0	10	NA	Long-term on-the-job training
47-2181	Roofers	590	600	10	2%	30	40	\$41,572	Moderate-term on-the-job training
47-2211	Sheet Metal Workers	710	720	10	1%	30	40	\$43,958	Moderate-term on-the-job training
47-2221	Structural Iron and Steel Workers	260	260	10	2%	10	10	\$56,733	Long-term on-the-job training
47-3000	Helpers, Construction Trades	730	740	10	1%	60	70	NA NA	
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble	140	140	0	0%	10	10	NA	Short-term on-the-job training
47-3012	Helpers--Carpenters	290	300	10	2%	20	30	\$22,007	Short-term on-the-job training
47-3013	Helpers--Electricians	40	40	0	0%	0	0	\$38,991	Short-term on-the-job training
47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	20	20	0	0%	0	0	\$16,852	Short-term on-the-job training
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	60	60	0	-3%	10	10	\$31,224	Short-term on-the-job training
47-3016	Helpers--Roofers	80	80	0	3%	10	10	NA	Short-term on-the-job training
47-3019	Helpers, Construction Trades, All Other	110	110	0	0%	10	10	\$30,991	Short-term on-the-job training
47-4000	Other Construction and Related Workers	1,060	1,080	20	2%	40	60	NA NA	
47-4011	Construction and Building Inspectors	180	180	0	1%	10	10	\$32,543	Work experience in a related occupation
47-4031	Fence Erectors	240	250	10	4%	10	20	NA	Moderate-term on-the-job training
47-4041	Hazardous Materials Removal Workers	50	50	0	7%	0	10	NA	Moderate-term on-the-job training
47-4051	Highway Maintenance Workers	360	360	0	-1%	10	10	\$26,735	Moderate-term on-the-job training
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	240	240	10	3%	10	20	\$27,873	Moderate-term on-the-job training
47-4900	All Other Construction Trades and Related Workers	100	100	0	-1%	0	0	NA NA	
47-4999	Construction Trades and Related Workers, All Other (OES Only)	100	100	0	-1%	0	0	NA NA	
47-5000	Extraction Workers	100	100	0	2%	10	10	NA NA	
47-5021	Earth Drillers, Except Oil and Gas	70	70	0	2%	0	0	\$38,459	Moderate-term on-the-job training
47-5081	Helpers--Extraction Workers	20	20	0	5%	0	0	NA	Short-term on-the-job training
49-0000	Installation, Maintenance, and Repair Occupations	16,780	16,900	120	1%	750	920	\$37,307	NA
49-1000	Supervisors of Installation, Maintenance, and Repair Workers	1,600	1,610	10	1%	70	90	NA NA	
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	1,600	1,610	10	1%	70	90	\$49,399	Work experience in a related occupation
49-2000	Electrical and Electronic Equipment Mechanics, Installers, and Repairers	990	970	-20	-2%	40	40	NA NA	
49-2011	Computer, Automated Teller, and Office Machine Repairers	110	110	0	0%	0	0	\$31,312	Postsecondary vocational training
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Inst	240	220	-20	-8%	10	10	\$47,924	Postsecondary vocational training
49-2092	Electric Motor, Power Tool, and Related Repairers	170	170	0	-2%	10	10	NA	Postsecondary vocational training
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipm	40	40	0	-3%	0	0	NA	Postsecondary vocational training
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipmen	100	100	0	0%	0	0	NA	Postsecondary vocational training
49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	50	50	0	-4%	0	0	NA	Postsecondary vocational training
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	30	30	0	0%	0	0	\$36,536	Postsecondary vocational training
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	180	180	0	1%	10	10	\$36,966	Postsecondary vocational training
49-2098	Security and Fire Alarm Systems Installers	80	80	0	0%	0	0	NA	Postsecondary vocational training
49-3000	Vehicle and Mobile Equipment Mechanics, Installers	5,290	5,360	70	1%	300	370	NA NA	
49-3011	Aircraft Mechanics and Service Technicians	90	100	10	6%	0	10	\$37,164	Postsecondary vocational training
49-3021	Automotive Body and Related Repairers	560	570	10	2%	20	30	\$36,605	Long-term on-the-job training
49-3023	Automotive Service Technicians and Mechanics	1,850	1,870	20	1%	100	120	\$32,980	Postsecondary vocational training
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	1,040	1,060	30	3%	50	80	\$33,222	Postsecondary vocational training
49-3041	Farm Equipment Mechanics	160	170	0	1%	10	10	\$24,647	Postsecondary vocational training
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	440	440	0	0%	20	20	\$39,810	Postsecondary vocational training
49-3043	Rail Car Repairers	20	20	0	-5%	0	0	NA	Long-term on-the-job training
49-3051	Motorboat Mechanics	50	50	0	4%	0	0	\$31,444	Long-term on-the-job training
49-3052	Motorcycle Mechanics	60	60	0	0%	0	0	\$25,304	Long-term on-the-job training

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49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	120	120	0	-2%	10	10	\$30,391	Moderate-term on-the-job training
49-3092	Recreational Vehicle Service Technicians	30	30	0	-6%	0	0	\$32,680	Long-term on-the-job training
49-3093	Tire Repairers and Changers	830	840	0	0%	80	90	\$25,010	Short-term on-the-job training
49-3099	Vehicle and Mobile Equipment Mechanics, Installers, and Repairers, All O	40	40	0	5%	0	0	NA	NA
49-9000	<i>Other Installation, Maintenance, and Repair Occupations</i>	8,900	8,960	60	1%	340	430	NA	NA
49-9011	Mechanical Door Repairers	130	130	0	2%	10	10	NA	Moderate-term on-the-job training
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	40	40	0	3%	0	0	\$44,988	Moderate-term on-the-job training
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	740	760	20	3%	20	40	\$36,395	Long-term on-the-job training
49-9031	Home Appliance Repairers	120	110	0	-1%	10	10	\$27,672	Long-term on-the-job training
49-9041	Industrial Machinery Mechanics	1,250	1,250	0	0%	50	50	NA	Long-term on-the-job training
49-9042	Maintenance and Repair Workers, General	4,380	4,420	40	1%	160	200	\$32,464	Long-term on-the-job training
49-9043	Maintenance Workers, Machinery	230	230	0	-1%	10	10	\$47,144	Long-term on-the-job training
49-9044	Millwrights	380	370	0	-1%	20	20	\$48,079	Long-term on-the-job training
49-9045	Refractory Materials Repairers, Except Brickmasons	320	320	0	-1%	10	10	NA	Long-term on-the-job training
49-9051	Electrical Power-Line Installers and Repairers	60	60	0	-3%	0	0	\$45,145	Long-term on-the-job training
49-9052	Telecommunications Line Installers and Repairers	370	360	-10	-3%	20	20	\$50,956	Long-term on-the-job training
49-9062	Medical Equipment Repairers	40	40	0	0%	0	0	\$38,834	Moderate-term on-the-job training
49-9069	Precision Instrument and Equipment Repairers, All Other	80	80	0	3%	0	10	\$30,102	Long-term on-the-job training
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	110	110	0	1%	10	10	\$24,734	Moderate-term on-the-job training
49-9095	Manufactured Building and Mobile Home Installers	30	30	0	0%	0	0	NA	Moderate-term on-the-job training
49-9098	Helpers--Installation, Maintenance, and Repair Workers	310	320	10	3%	20	30	\$21,284	Short-term on-the-job training
49-9099	Installation, Maintenance, and Repair Workers, All Other	310	310	0	1%	10	20	\$41,268	Long-term on-the-job training
51-0000	Production Occupations	30,030	29,600	-420	-1%	1,420	1,510	\$32,747	NA
51-1000	<i>Supervisors, Production Workers</i>	2,480	2,470	-10	0%	100	100	NA	NA
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	2,480	2,470	-10	0%	100	100	\$50,719	Work experience in a related occupation
51-2000	<i>Assemblers and Fabricators</i>	3,770	3,670	-100	-3%	190	190	NA	NA
51-2021	Coil Winders, Tapers, and Finishers	140	120	-20	-13%	10	10	NA	Short-term on-the-job training
51-2022	Electrical and Electronic Equipment Assemblers	120	110	-10	-7%	10	10	\$22,300	Short-term on-the-job training
51-2023	Electromechanical Equipment Assemblers	190	180	-20	-8%	10	10	NA	Short-term on-the-job training
51-2041	Structural Metal Fabricators and Fitters	660	660	0	0%	30	30	\$27,259	Moderate-term on-the-job training
51-2091	Fiberglass Laminators and Fabricators	30	30	0	-4%	0	0	NA	Moderate-term on-the-job training
51-2092	Team Assemblers	2,180	2,130	-50	-2%	110	110	\$25,415	Moderate-term on-the-job training
51-2099	Assemblers and Fabricators, All Other	440	430	0	-1%	20	20	\$29,720	Moderate-term on-the-job training
51-3000	<i>Food Processing Workers</i>	1,200	1,190	-10	-1%	60	60	NA	NA
51-3011	Bakers	570	570	0	0%	30	30	\$19,538	Long-term on-the-job training
51-3021	Butchers and Meat Cutters	310	290	-10	-4%	10	10	\$29,660	Long-term on-the-job training
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	40	40	0	0%	0	0	\$17,681	Short-term on-the-job training
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and	50	50	0	2%	0	0	NA	Short-term on-the-job training
51-3092	Food Batchmakers	100	100	0	-1%	10	10	\$25,297	Short-term on-the-job training
51-3093	Food Cooking Machine Operators and Tenders	110	110	0	2%	10	10	\$17,618	Short-term on-the-job training
51-3099	Food Processing Workers, All Other (OES Only)	20	20	0	5%	0	0	NA	NA
51-4000	<i>Metal Workers and Plastic Workers</i>	10,770	10,630	-140	-1%	510	530	NA	NA
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	340	340	0	1%	10	10	\$29,687	Long-term on-the-job training
51-4012	Numerical Tool and Process Control Programmers	20	20	0	4%	0	0	NA	Long-term on-the-job training
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal a	430	440	10	3%	30	40	\$24,582	Moderate-term on-the-job training
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	130	130	0	1%	0	10	\$26,164	Moderate-term on-the-job training
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	690	670	-10	-2%	30	30	\$41,436	Moderate-term on-the-job training
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, M	720	700	-20	-2%	30	30	\$35,674	Moderate-term on-the-job training
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal a	70	70	0	0%	0	0	\$38,638	Moderate-term on-the-job training
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators	370	360	-10	-3%	10	10	\$32,439	Moderate-term on-the-job training
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal a	430	420	-20	-4%	20	20	\$33,494	Moderate-term on-the-job training
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and F	100	100	0	-3%	0	0	\$36,224	Moderate-term on-the-job training
51-4041	Machinists	1,270	1,260	0	0%	60	60	\$38,463	Long-term on-the-job training
51-4051	Metal-Refining Furnace Operators and Tenders	860	840	-20	-2%	40	40	\$42,406	Moderate-term on-the-job training
51-4052	Pourers and Casters, Metal	470	450	-20	-3%	20	20	\$39,176	Moderate-term on-the-job training
51-4061	Model Makers, Metal and Plastic	20	20	0	0%	0	0	\$36,396	Moderate-term on-the-job training

Code	Occupational Title	2005 Employment	2007 Projection	Two Year Change	Percent Change	Replacements ¹	Total Openings	2004 Annual Wage ²	Education Requirement ³
51-4062	Patternmakers, Metal and Plastic	30	30	0	-3%	0	0	NA	Moderate-term on-the-job training
51-4071	Foundry Mold and Coremakers	240	230	-10	-5%	10	10	\$24,326	Moderate-term on-the-job training
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tend	650	650	10	1%	30	40	\$25,653	Moderate-term on-the-job training
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	220	220	0	-1%	10	10	NA	Moderate-term on-the-job training
51-4111	Tool and Die Makers	230	220	-10	-3%	10	10	\$39,879	Long-term on-the-job training
51-4121	Welders, Cutters, Solderers, and Brazers	2,000	2,000	0	0%	110	110	\$34,419	Postsecondary vocational training
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tender	80	80	0	-1%	0	0	\$31,707	Moderate-term on-the-job training
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plas	320	310	-10	-4%	30	30	\$33,518	Moderate-term on-the-job training
51-4192	Lay-Out Workers, Metal and Plastic	30	30	0	0%	0	0	\$32,158	Moderate-term on-the-job training
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and	420	410	-10	-3%	20	20	\$40,726	Moderate-term on-the-job training
51-4194	Tool Grinders, Filers, and Sharpeners	60	60	0	-3%	0	0	\$32,664	Moderate-term on-the-job training
51-4199	Metal Workers and Plastic Workers, All Other	600	590	-10	-1%	30	30	NA	Moderate-term on-the-job training
51-5000	Printing Workers	560	540	-20	-4%	30	30	NA	NA
51-5011	Bindery Workers	50	40	0	-7%	0	0	\$24,577	Moderate-term on-the-job training
51-5021	Job Printers	40	40	0	-5%	0	0	\$33,475	Long-term on-the-job training
51-5022	Prepress Technicians and Workers	90	90	-10	-6%	0	0	\$28,579	Long-term on-the-job training
51-5023	Printing Machine Operators	380	370	-10	-3%	20	20	\$27,586	Moderate-term on-the-job training
51-6000	Textile, Apparel, and Furnishings Workers	1,950	1,880	-70	-4%	90	90	NA	NA
51-6011	Laundry and Dry-Cleaning Workers	900	900	-10	-1%	50	50	\$16,826	Moderate-term on-the-job training
51-6021	Pressers, Textile, Garment, and Related Materials	150	140	-10	-5%	0	0	\$18,077	Short-term on-the-job training
51-6031	Sewing Machine Operators	200	200	0	-2%	0	0	\$21,933	Moderate-term on-the-job training
51-6041	Shoe and Leather Workers and Repairers	20	20	0	-6%	0	0	NA	Long-term on-the-job training
51-6052	Tailors, Dressmakers, and Custom Sewers	60	60	0	2%	0	0	\$17,244	Work experience in a related occupation
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	120	110	-10	-4%	10	10	NA	Moderate-term on-the-job training
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	30	30	0	0%	0	0	NA	Long-term on-the-job training
51-6093	Upholsterers	460	410	-50	-11%	20	20	NA	Long-term on-the-job training
51-7000	Woodworkers	490	470	-20	-5%	30	30	NA	NA
51-7011	Cabinetmakers and Bench Carpenters	150	140	-10	-3%	10	10	\$31,450	Long-term on-the-job training
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	90	80	-10	-6%	10	10	\$21,375	Moderate-term on-the-job training
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	240	230	-10	-5%	10	10	\$21,633	Moderate-term on-the-job training
51-8000	Plant and System Operators	1,200	1,160	-40	-3%	70	70	NA	NA
51-8012	Power Distributors and Dispatchers	20	20	0	0%	0	0	\$54,566	Long-term on-the-job training
51-8013	Power Plant Operators	80	80	0	-4%	0	0	NA	Long-term on-the-job training
51-8021	Stationary Engineers and Boiler Operators	70	70	0	-1%	0	0	\$37,394	Long-term on-the-job training
51-8031	Water and Liquid Waste Treatment Plant and System Operators	300	300	0	0%	20	20	\$32,666	Long-term on-the-job training
51-8091	Chemical Plant and System Operators	250	230	-20	-6%	20	20	\$46,147	Long-term on-the-job training
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	420	400	-20	-4%	30	30	NA	NA
51-8099	Plant and System Operators, All Other	60	60	0	-2%	0	0	\$38,357	Long-term on-the-job training
51-9000	Other Production Occupations	7,610	7,600	-10	0%	370	420	NA	NA
51-9011	Chemical Equipment Operators and Tenders	170	180	10	6%	10	20	NA	Moderate-term on-the-job training
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, O	40	30	0	-6%	0	0	\$43,202	Moderate-term on-the-job training
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tende	80	80	0	-2%	0	0	NA	Moderate-term on-the-job training
51-9022	Grinding and Polishing Workers, Hand	130	130	0	1%	10	10	\$26,208	Moderate-term on-the-job training
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	280	280	0	1%	10	20	\$32,931	Moderate-term on-the-job training
51-9031	Cutters and Trimmers, Hand	20	20	0	0%	0	0	NA	Short-term on-the-job training
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	320	320	10	3%	10	20	\$28,762	Moderate-term on-the-job training
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operator	150	150	-10	-3%	10	10	\$35,330	Moderate-term on-the-job training
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	190	190	-10	-3%	10	10	NA	Moderate-term on-the-job training
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	1,540	1,550	10	1%	70	80	\$31,991	Moderate-term on-the-job training
51-9071	Jewelers and Precious Stone and Metal Workers	40	40	0	3%	0	0	\$36,370	Postsecondary vocational training
51-9081	Dental Laboratory Technicians	170	170	10	4%	10	10	\$32,813	Long-term on-the-job training
51-9111	Packaging and Filling Machine Operators and Tenders	820	820	0	0%	30	30	\$29,251	Short-term on-the-job training
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	320	320	0	0%	20	20	\$26,296	Moderate-term on-the-job training
51-9122	Painters, Transportation Equipment	150	150	0	2%	10	10	\$28,678	Moderate-term on-the-job training
51-9123	Painting, Coating, and Decorating Workers	100	110	0	3%	10	10	\$20,901	Short-term on-the-job training
51-9131	Photographic Process Workers	130	120	-10	-11%	10	10	NA	Moderate-term on-the-job training
51-9132	Photographic Processing Machine Operators	160	160	10	3%	10	10	\$18,671	Short-term on-the-job training

Code	Occupational Title	2005 Employment	2007 Projection	Two Year Change	Percent Change	Replacements ¹	Total Openings	2004 Annual Wage ²	Education Requirement ³
51-9191	Cementing and Gluing Machine Operators and Tenders	30	30	0	-7%	0	0	\$22,919	Moderate-term on-the-job training
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	50	50	0	2%	0	0	NA	Moderate-term on-the-job training
51-9194	Etchers and Engravers	20	20	0	-5%	0	0	NA	Long-term on-the-job training
51-9195	Molders, Shapers, and Casters, Except Metal and Plastic	110	110	0	-2%	10	10	\$28,725	Moderate-term on-the-job training
51-9196	Paper Goods Machine Setters, Operators, and Tenders	190	180	-10	-6%	10	10	NA	Moderate-term on-the-job training
51-9198	Helpers--Production Workers	1,320	1,300	-20	-2%	80	80	\$22,085	Short-term on-the-job training
51-9199	Production Workers, All Other	1,090	1,090	0	0%	50	50	\$34,910	Moderate-term on-the-job training
53-0000	Transportation and Material Moving Occupations	28,300	28,550	250	1%	1,250	1,660	\$30,415	NA
53-1000	Supervisors, Transportation and Material Moving Workers	1,140	1,160	20	2%	50	70	NA	NA
53-1011	Aircraft Cargo Handling Supervisors	30	30	0	7%	0	0	\$43,873	Work experience in a related occupation
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Move	480	490	10	1%	20	30	\$43,984	Work experience in a related occupation
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving M	630	640	10	2%	30	40	\$49,229	Work experience in a related occupation
53-2000	Air Transportation Workers	110	110	10	5%	10	10	NA	NA
53-2012	Commercial Pilots	50	50	0	0%	0	0	\$54,719	Postsecondary vocational training
53-2021	Air Traffic Controllers	20	20	0	4%	0	0	#N/A	Long-term on-the-job training
53-2022	Airfield Operations Specialists	20	20	0	11%	0	0	\$29,014	Short-term on-the-job training
53-2099	Air Transportation Workers, All Other (OES Only)	20	20	0	12%	0	0	#N/A	NA
53-3000	Motor Vehicle Operators	12,850	13,140	290	2%	370	670	NA	NA
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicia	70	70	0	0%	0	0	\$15,641	Moderate-term on-the-job training
53-3021	Bus Drivers, Transit and Intercity	450	450	0	-1%	20	20	\$25,677	Moderate-term on-the-job training
53-3022	Bus Drivers, School	1,450	1,480	30	2%	60	90	\$20,590	Short-term on-the-job training
53-3031	Driver/Sales Workers	900	900	-10	-1%	30	30	\$26,176	Short-term on-the-job training
53-3032	Truck Drivers, Heavy and Tractor-Trailer	7,680	7,880	200	3%	230	430	\$40,309	Moderate-term on-the-job training
53-3033	Truck Drivers, Light or Delivery Services	1,800	1,840	40	2%	30	70	\$27,100	Short-term on-the-job training
53-3041	Taxi Drivers and Chauffeurs	380	400	30	7%	10	30	\$20,506	Short-term on-the-job training
53-3099	Motor Vehicle Operators, All Other	120	120	0	3%	0	10	\$24,491	Short-term on-the-job training
53-4000	Rail Transportation Workers	390	380	-10	-2%	20	20	NA	NA
53-4011	Locomotive Engineers	20	20	0	-4%	0	0	NA	Short-term on-the-job training
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	290	290	0	-1%	20	20	NA	Work experience in a related occupation
53-4021	Railroad Brake, Signal, and Switch Operators	20	20	0	-6%	0	0	NA	Work experience in a related occupation
53-4031	Railroad Conductors and Yardmasters	20	20	0	-5%	0	0	#N/A	Work experience in a related occupation
53-4041	Subway and Streetcar Operators	20	20	0	0%	0	0	#N/A	NA
53-4099	Rail Transportation Workers, All Other	20	20	0	-5%	0	0	NA	Short-term on-the-job training
53-5000	Water Transportation Workers	210	230	10	6%	10	30	NA	NA
53-5011	Sailors and Marine Oilers	80	80	0	2%	10	10	\$28,345	Short-term on-the-job training
53-5021	Captains, Mates, and Pilots of Water Vessels	120	130	10	8%	10	20	NA	Work experience in a related occupation
53-6000	Other Transportation Workers	360	360	10	2%	30	30	NA	NA
53-6021	Parking Lot Attendants	130	140	0	3%	10	10	\$15,388	Short-term on-the-job training
53-6031	Service Station Attendants	90	90	0	0%	10	10	\$20,427	Short-term on-the-job training
53-6051	Transportation Inspectors	50	50	0	4%	0	0	NA	Work experience in a related occupation
53-6099	Transportation Workers, All Other	70	70	0	1%	10	10	NA	Short-term on-the-job training
53-7000	Material Moving Workers	13,240	13,160	-80	-1%	770	820	NA	NA
53-7011	Conveyor Operators and Tenders	80	80	0	3%	10	10	\$34,829	Short-term on-the-job training
53-7021	Crane and Tower Operators	1,350	1,340	-10	-1%	60	60	\$37,873	Moderate-term on-the-job training
53-7032	Excavating and Loading Machine and Dragline Operators	190	190	10	3%	10	20	\$39,031	Moderate-term on-the-job training
53-7033	Loading Machine Operators, Underground Mining	20	20	0	-6%	0	0	NA	Short-term on-the-job training
53-7041	Hoist and Winch Operators	140	130	-10	-6%	10	10	NA	Moderate-term on-the-job training
53-7051	Industrial Truck and Tractor Operators	1,850	1,870	20	1%	70	90	\$29,898	Short-term on-the-job training
53-7061	Cleaners of Vehicles and Equipment	1,300	1,320	10	1%	100	110	\$19,000	Short-term on-the-job training
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	5,120	5,050	-70	-1%	390	390	\$25,717	Short-term on-the-job training
53-7063	Machine Feeders and Offbearers	370	360	-10	-2%	20	20	\$23,096	Short-term on-the-job training
53-7064	Packers and Packagers, Hand	2,210	2,180	-30	-1%	80	80	\$16,789	Short-term on-the-job training
53-7072	Pump Operators, Except Wellhead Pumps	70	70	0	4%	0	10	\$41,188	Moderate-term on-the-job training
53-7081	Refuse and Recyclable Material Collectors	320	330	0	1%	20	20	\$32,290	Short-term on-the-job training

Code	Occupational Title	2005 Employment	2007 Projection	Two Year Change	Percent Change	Replacements ¹	Total Openings	2004 Annual Wage ²	Education Requirement ³
53-7121	Tank Car, Truck, and Ship Loaders	100	100	0	-1%	10	10		NA Moderate-term on-the-job training
53-7199	Material Moving Workers, All Other	120	130	0	2%	10	10	\$24,576	Short-term on-the-job training

- 1) Replacements are "Net replacement" openings. Net replacement openings estimate the difference between the movement of experienced workers who change jobs to enter other occupations, retire, or leave the workforce for other reasons and the movement of experienced workers filling the openings. The openings that remain unfilled by experienced workers are net replacement openings, available to new workforce entrants. In most occupations, net replacement openings significantly understate the total number of job openings because net replacement openings measure the difference between the number of workers in the workforce who leave an occupation and the number who enter the occupation.

- 2) 2004 Annual Wage is the regional average wage for the occupation from the Occupational Employment Statistics program, conducted by the Indiana Department of Workforce Development for the national Bureau of Labor Statistics.

- 3) Occupations are classified into 1 of 11 categories by the Bureau of Labor Statistics based on analyses of the occupation's usual education and training requirements. The 11 classifications are as follows:

First professional degree. Completion of the academic program usually requires at least 6 years of full-time equivalent academic study, including college study prior to entering the professional degree program.

Doctoral degree. Completion of the degree program usually requires at least 3 years of full-time equivalent academic work beyond the bachelor's degree.

Master's degree. Completion of the degree program usually requires 1 or 2 years of full-time equivalent study beyond the bachelor's degree.

Work experience, plus a bachelor's or higher degree. Most occupations in this category are managerial occupations that require experience in a related nonmanagerial position.

Bachelor's degree. Completion of the degree program generally requires at least 4 years but not more than 5 years of full-time equivalent academic work.

Associate degree. Completion of the degree program usually requires at least 2 years of full-time equivalent academic study.

Postsecondary vocational training. Some programs last only a few weeks while others may last more than a year. In some occupations, a license is needed that requires passing an examination after completion of the training.

Work experience in a related occupation. Some occupations requiring work experience are supervisory or managerial occupations.

Long-term on-the-job training. This category includes occupations that generally require more than 12 months of on-the-job training or combined work experience and formal classroom instruction for workers to develop the skills needed for average job performance. This category includes formal and informal apprenticeships that may last up to 4 years and short-term intensive employer-sponsored training that workers must successfully complete. Individuals undergoing training are generally considered to be employed in the occupation. This category includes occupations in which workers may gain experience in non-work activities, such as professional athletes who gain experience through participation in athletic programs in academic institutions.

Moderate-term on-the-job training. This category includes occupations in which workers can develop the skills needed for average job performance after 1 to 12 months of combined on-the-job experience and informal training.

Short-term on-the-job training. This category covers occupations in which workers can develop the skills needed for average job performance after a short demonstration or up to one month of on-the-job experience or instruction.